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Electronic Patent Application Submission

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EFS ID: 13891
Application ID: 09683779
Title of Invention: METHOD FOR OPERATING A PRE-CRASH SENSING SYSTEM IN A VEHICLE HAVING A COUNTERMEASURE SYSTEM USING A RADAR AND CAMERA
First Named Inventor: Manoharprasad Rao
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-02-13 
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 201-0633 FAM
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US
Certificate Message Digest: G1zHc7vT49bN19DeVC1PQQ==
Total Fees Authorized: \$820.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61510
Deposit Account Name: Saundra M. Lewis

TRANSMITTAL FORM

JC474 U.S. PTO
09/683779
02/13/02

Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket
Number:

201-0633
FAM

Submission Type: Utility Patent
Filing

METHOD FOR OPERATING A PRE-CRASH SENSING SYSTEM IN A VEHICLE HAVING A COUNTERMEASURE SYSTEM USING A RADAR AND CAMERA

First Named Inventor: Manoharprasad K. Rao

SUBMITTED BY

Organization Name: Ford Motor Company
Name: Saundra M. Lewis Electronic Filing
Specialist
Electronic Signature Mark: /sml Date Signed: 20020213

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	declaration1of2.tif
declaration	declaration2of2.tif
declaration	consentletter.tif
declaration	infodisclosurestatement1of4.tif
declaration	infodisclosurestatement2of4.tif
declaration	infodisclosurestatement3of4.tif
declaration	infodisclosurestatement4of4.tif
bibd-transmittal	201-0633apds.xml
patent-assignments	201-0633asgn.xml
specification	Specification.xml
fee-transmittal	201-0633fee.xml

Attached Image File(s):

declaration1of2.tif
declaration2of2.tif
consentletter.tif
infodisclosurestatement1of4.tif
infodisclosurestatement2of4.tif
infodisclosurestatement3of4.tif
infodisclosurestatement4of4.tif

Comments:

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION

Attorney's Docket No.
201-0633

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed for which a patent is sought on the invention entitled

METHOD FOR OPERATING A PRE-CRASH SENSING SYSTEM IN A VEHICLE HAVING A COUNTERMEASURE SYSTEM USING A RADAR AND CAMERA

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,

no such applications have been filed, or

such applications have been filed as follows:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Additional provisional application numbers: on a supp riority da PTO/SB/0 attached

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application was not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

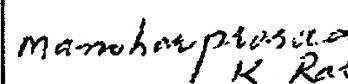
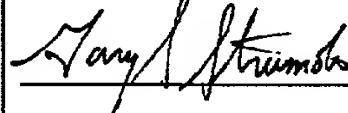
(Application Number) (Filing Date) (Status - patented, pending, abandoned)

POWER OF ATTORNEY: - I/we hereby appoint the following Practitioners: Customer No. 28549, Kevin G. Mierzwa - 31 my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.

Address all correspondence and telephone calls to:

Kevin G. Mierzwa
Artz & Artz PLC
28333 Telegraph Road, Suite 250
Southfield, MI 48034 Phone: 248 223-9500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE
Manoharprasad K. Rao 41740 Hampshire Street Novi, MI 48375 US	Novi, MI 48375 US	U.S.A	
Kwaku O. Prakah-Asante 730 Devon Ct. Commerce Twp., MI 48382 US	Commerce Twp., MI 48382 US	Ghana	
Gary Steven Strumolo 18910 Hillcrest Beverly Hills, MI 48025 US	Beverly Hills, MI 48025 US	U.S.A	

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. 201-0633
Date: February 8, 2002

Sir:

Inventor(s):

Manoharprasad Rao
Kwaku Prakah-Asante
Gary Strumolo

For: **METHOD FOR OPERATING A PRE-CRASH SENSING SYSTEM IN A VEHICLE HAVING A COUNTERMEASURE SYSTEM USING A RADAR AND CAMERA**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:



Frank A. MacKenzie
Attorney or Agent of Record
Registration No. 42,826
Ford Global Technologies, Inc.
One Parklane Blvd.,
600 Parklane Towers East
Dearborn, MI 48126
Telephone: (313) 323-2024

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Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

4

Complete if Known

Application Number	Unassigned
Filing Date	Filed Herewith
First Named Inventor	Rao
Group Art Unit	Unknown
Examiner Name	Unknown

Attorney Docket Number 201-0633

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ²	Number (if known)			
AA	3,514,610			Huston et al	05/26/70	
BB	4,257,703			Goodrich	03/24/81	
CC	4,381,829			Montaron	05/03/83	
DD	4,623,966			O'Sullivan	11/18/86	
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JJ	4,992,943			McCracken	02/12/91	
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NN	5,091,726			Shyu	02/25/92	
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XX	5,430,432			Camhi et al	07/04/95	
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ZZ	5,479,173			Yoshioka et al	12/26/95	

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Unassigned
				Filing Date	Filed Herewith
				First Named Inventor	Rao
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	of	4	Attorney Docket Number	201-0633

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Kind Code ² Number	(if known)			
A	5,502,432			Ohmamyuda et al	03/26/96	
B	5,521,580			Kaneko et al	05/28/96	
C	5,526,269			Ishibashi et al	06/11/96	
D	5,534,870			Aviqmon et al	07/09/96	
E	5,541,590			Nishio	07/30/96	
F	5,552,986			Omura et al	09/03/96	
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I	5,594,414			Namngani	01/14/97	
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K	5,604,683			Roecker	02/18/97	
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Q	5,689,264			Ishikawa et al	11/18/97	
R	5,699,040			Matsuda	12/16/97	
S	5,699,057			Ikeda et al	12/16/97	
T	5,710,565			Shirai et al	01/20/98	
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Y	5,751,836			Wildes et al	05/12/98	
Z	5,754,099			Nishimura et al	05/19/98	
1	5,771,481			Gilling	06/23/98	
2	5,779,264			Demesseman et al	07/14/98	
3	5,808,561			Kinoshita et al	09/15/98	
4	5,815,093			Kikinis	09/29/98	
5	5,835,007			Kosiak	11/10/98	
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7	5,838,228			Clark	11/17/98	
8	5,847,472			Bvon	12/08/98	
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10	5,872,536			Lyons et al	02/16/99	
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13	5,920,345			Sauer	07/06/99	
14	5,926,126			Engelman	07/20/99	
15	5,936,549			Tsuchiwa	08/10/99	
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U.S. PATENT DOCUMENTS						
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		Kind Code ²	Number (if known)			
	18	5,949,366		Herrman	09/07/99	
	19	5,949,918		McCaffrey	09/07/99	
	20	5,955,967		Yamada	09/21/99	
	21	5,959,552		Cho	09/28/99	
	22	5,963,272		Wixson	10/05/99	
	23	5,964,822		Alland et al	10/12/99	
	24	5,983,161		Lemelson et al	11/09/99	
	25	5,995,037		Matsuda et al	11/30/99	
	26	5,999,117		Enqel	12/07/99	
	27	5,999,874		Winner et al	12/07/99	
	1A	6,002,983		Alland et al	12/14/99	
	2A	6,018,308		Shirai	01/25/00	
	3A	6,025,797		Kawai et al	02/15/00	
	4A	6,026,340		Corrado et al	02/15/00	
	5A	6,031,484		Bullinger et al	02/29/00	
	6A	6,037,860		Zander et al	03/14/00	
	7A	6,044,166		Bassman et al	03/28/00	
	8A	6,044,321		Nakamura et al	03/28/00	
	9A	6,049,619		Anandan et al	04/11/00	
	10A	6,061,105		Sugimoto	05/09/00	
	11A	6,076,028		Donnelly et al	06/13/00	
	12A	6,084,508		Mai et al	07/04/00	
	13A	6,085,151		Farmer et al	07/04/00	
	14A	6,087,928		Kleinberg et al	07/11/00	
	15A	6,088,639		Fayyad et al	07/11/00	
	16A	6,094,159		Otcrfcll et al	07/25/00	
	17A	6,097,332		Crosby II	08/01/00	
	18A	6,114,951		Knioshita et al	09/05/00	
	19A	6,121,896		Rahman	09/19/00	
	20A	6,148,943		Kodaka et al	11/21/00	
	21A	6,151,539		Bergholz et al	11/21/00	
	22A	6,157,892		Hada et al	12/05/00	
	23A	6,161,014		Sielaqoski et al	12/12/00	
	24A	6,168,198		Breed et al	01/02/01	
	25A	6,169,479		Boran et al	01/02/01	
	26A	6,177,866		O'Connell	01/23/01	
	27A	6,185,490		Ferguson	02/06/01	
	1B	6,186,539		Foo et al	02/13/01	
	2B	6,188,316		Matsuno et al	02/13/01	
	3B	6,191,704		Takenaga et al	02/20/01	
	4B	6,204,756		Senyk et al	03/20/01	
	5B	6,209,909		Breed	04/03/01	

<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p><i>Complete if Known</i></p>	
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				Filing Date	Filed Herewith
				First Named Inventor	Rao
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	4	of	4	Attorney Docket Number	
201-0633					

FOREIGN PATENT DOCUMENTS							
Examinee Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	54-65934A		Mimura et al	05/28/79	
		EP	0720928 A2		Lucas Industries Public Limited Co.	10/07/96	
		WO	98/37435		Hittite Microwave Corporation	08/27/98	
		WO	98/58274		Cel-siustech Systems	12/23/98	

Examiner Signature		Date Considered	
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¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 820

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: Ford Global Technologies, Inc.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Saundra M. Lewis

Electronic Signature Mark: /sml

Date Signed: 20020213

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80